

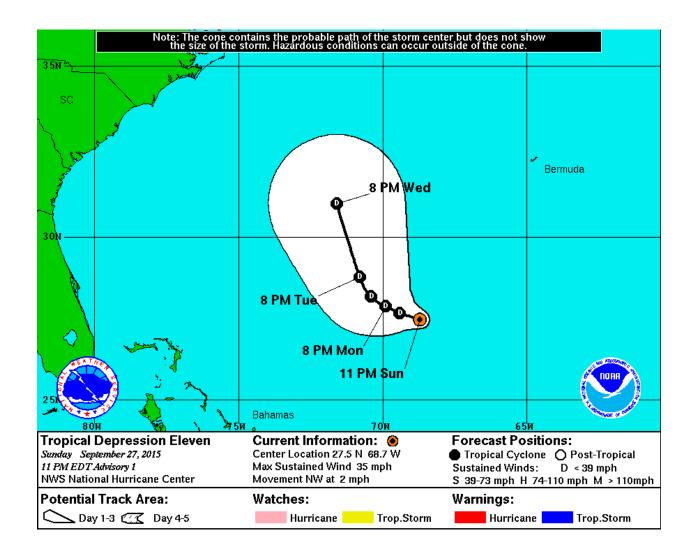
National Transportation Safety Board

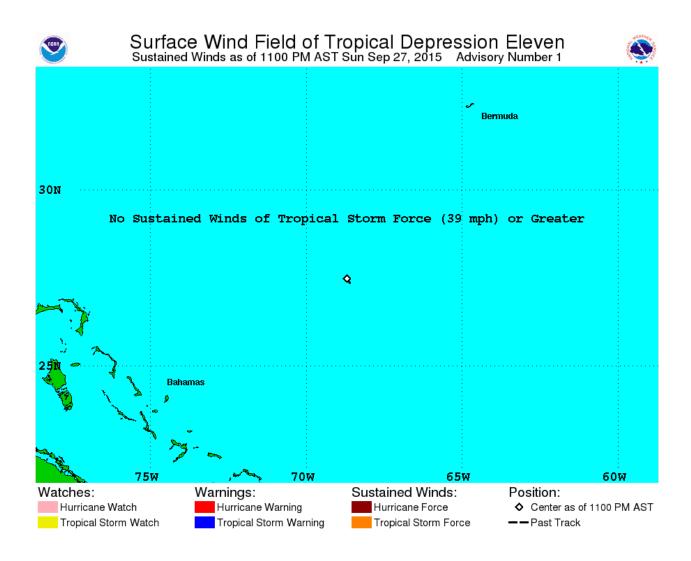
Office of Marine Safety Washington, D.C. 20594-2000 December 13, 2016

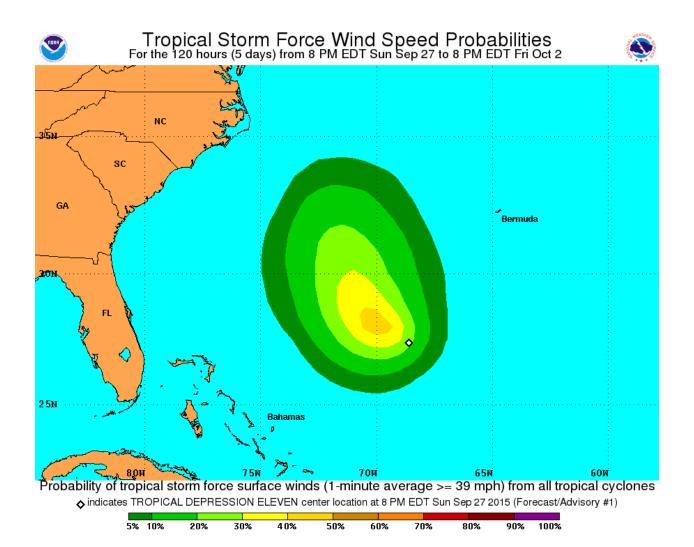
ATTACHMENT 4 to the METEOROLOGY GROUP FACTUAL REPORT DCA16MM001

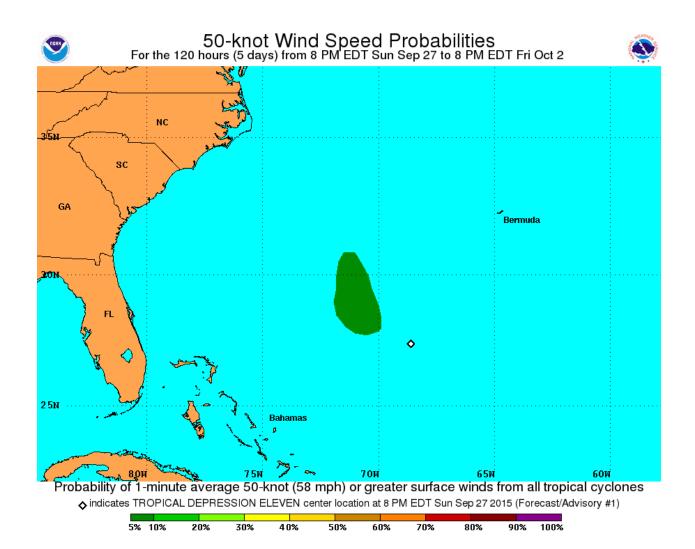
Tropical Cyclone Track Forecast Cone and Watches/Warnings, Tropical Cyclone Surface Wind Fields, Tropical Cyclone Surface Wind Speed Probabilities (34 knots, 50 knots, and 64 knots) and Tropical Cyclone Danger graphics issued between 2300 EDT on September 27, 2015, and 1100 EDT on October 1, 2015.

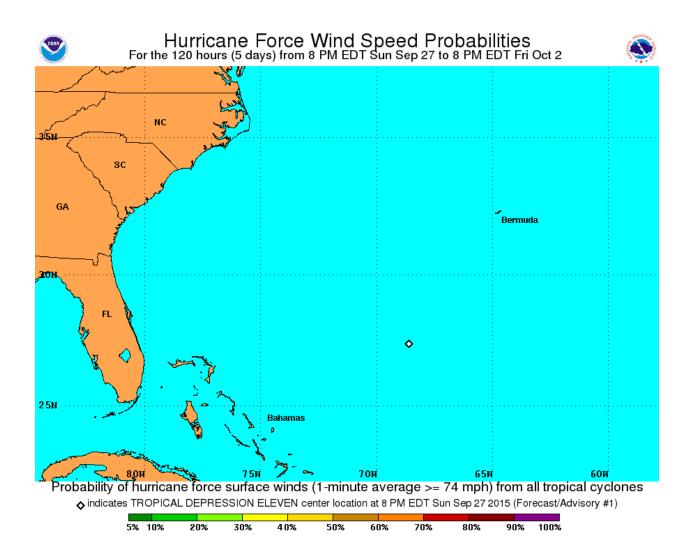
Submitted by: Mike Richards NTSB, AS-30

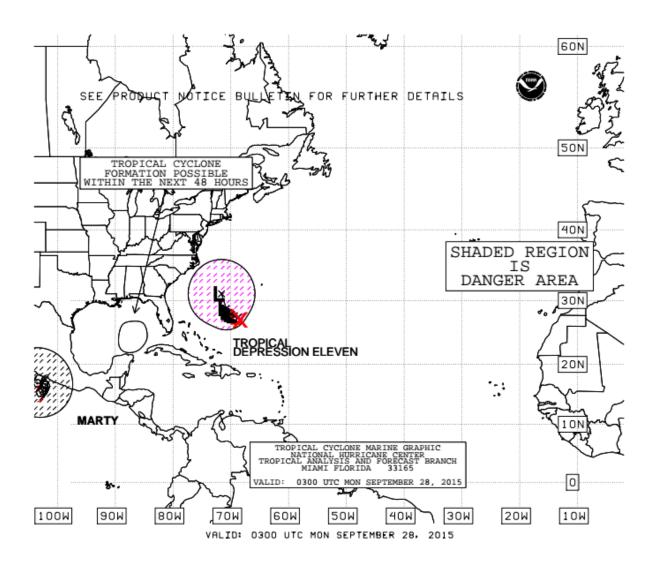


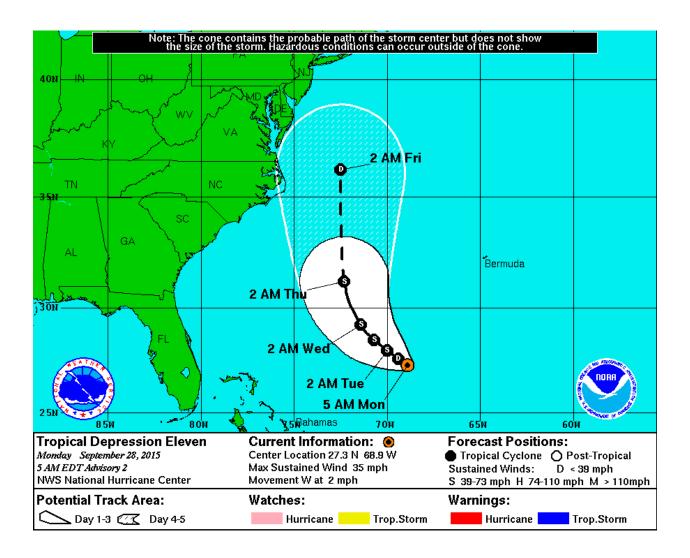








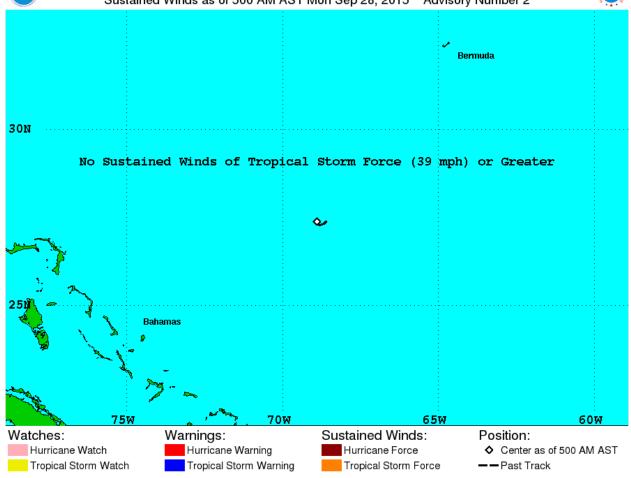


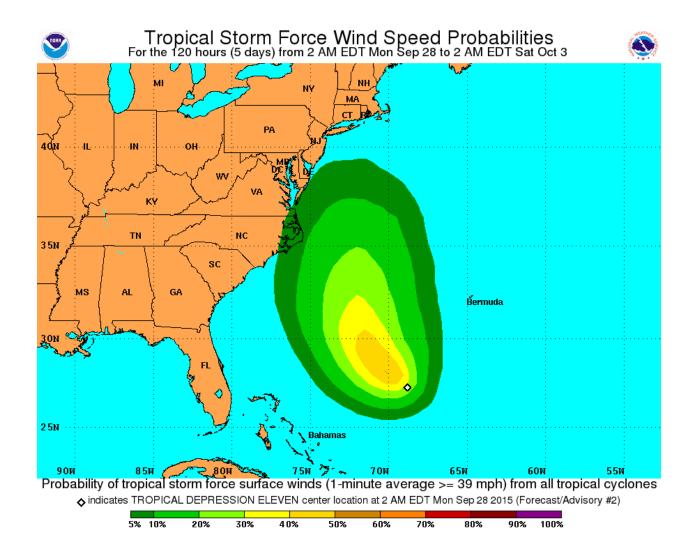


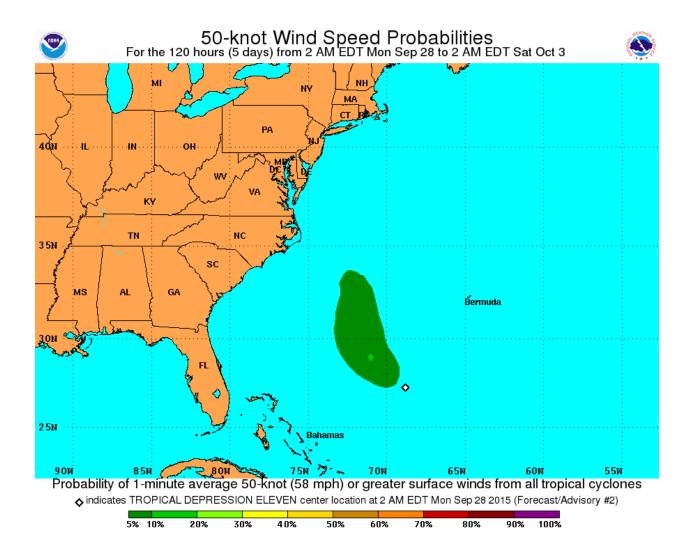


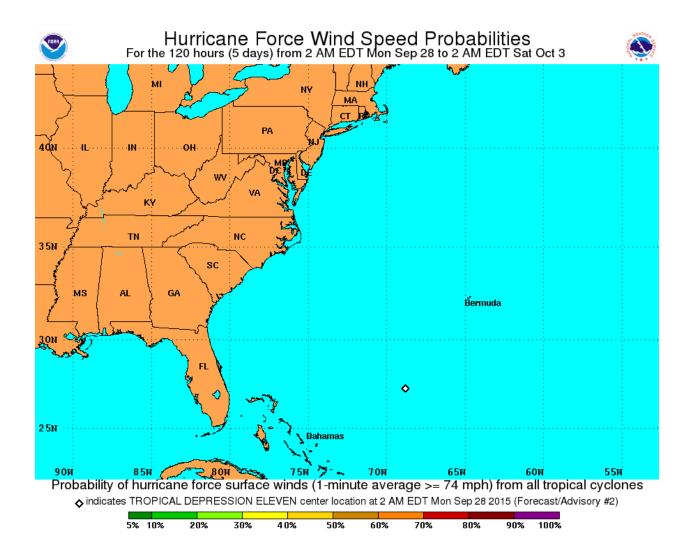
Surface Wind Field of Tropical Depression Eleven Sustained Winds as of 500 AM AST Mon Sep 28, 2015 Advisory Number 2

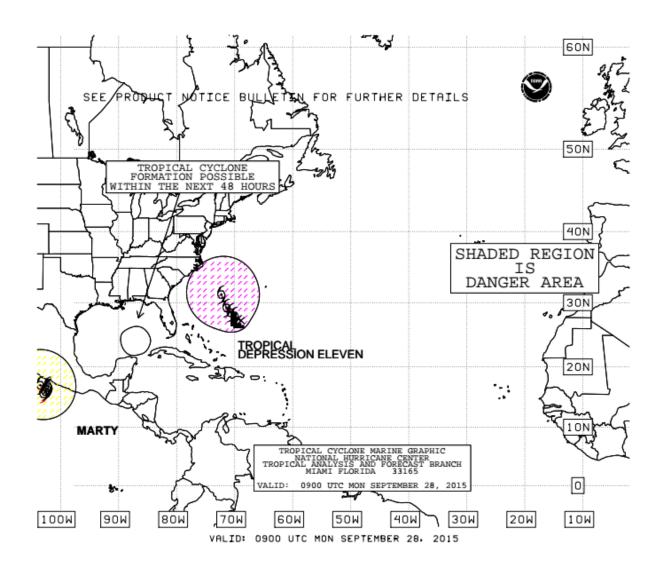


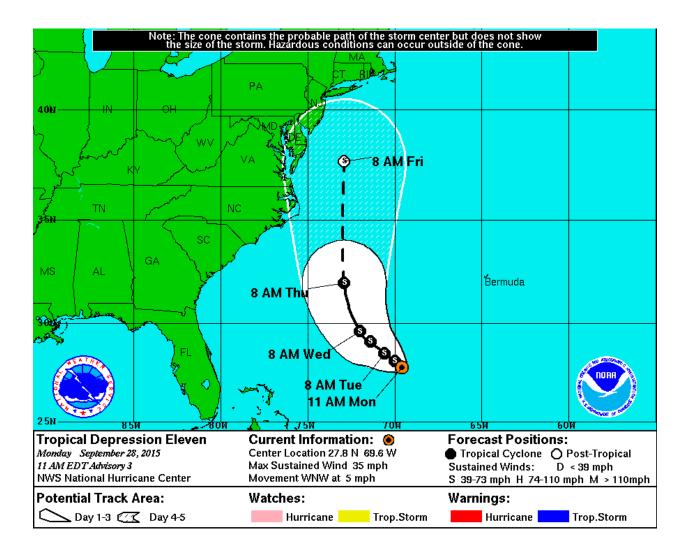


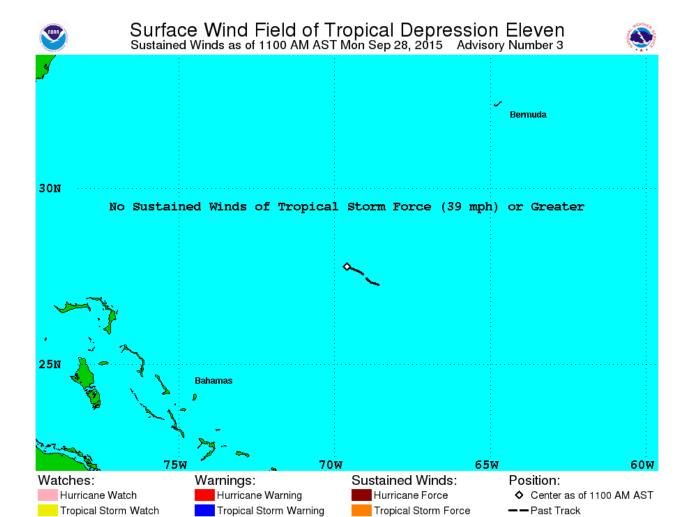


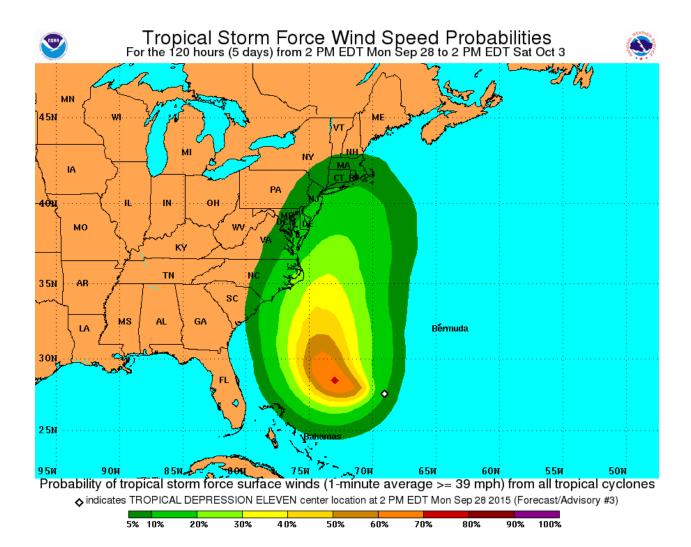


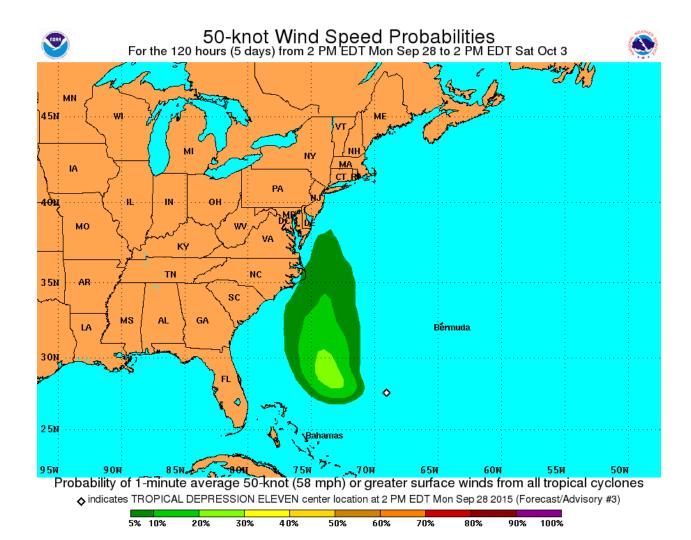


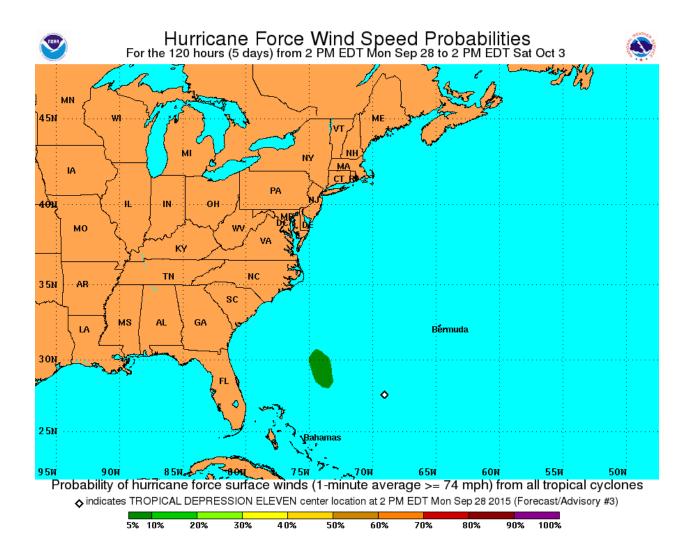


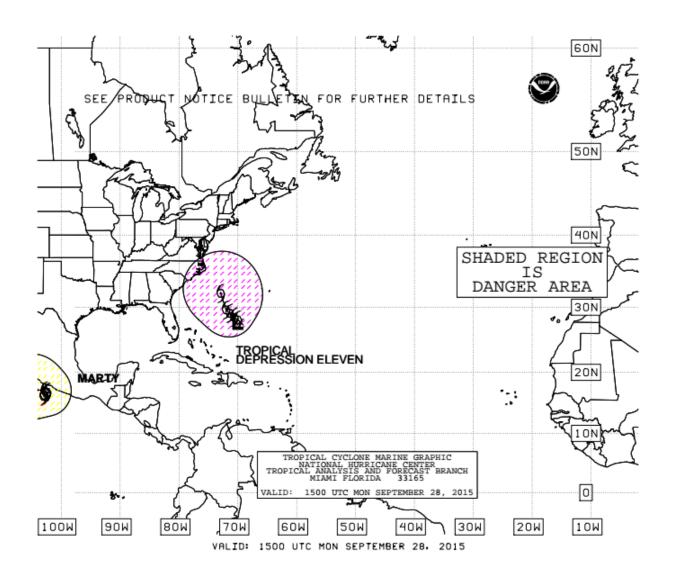


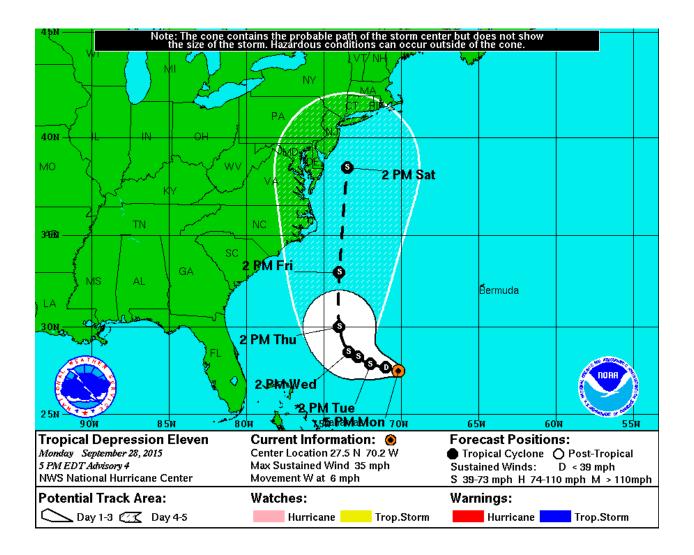


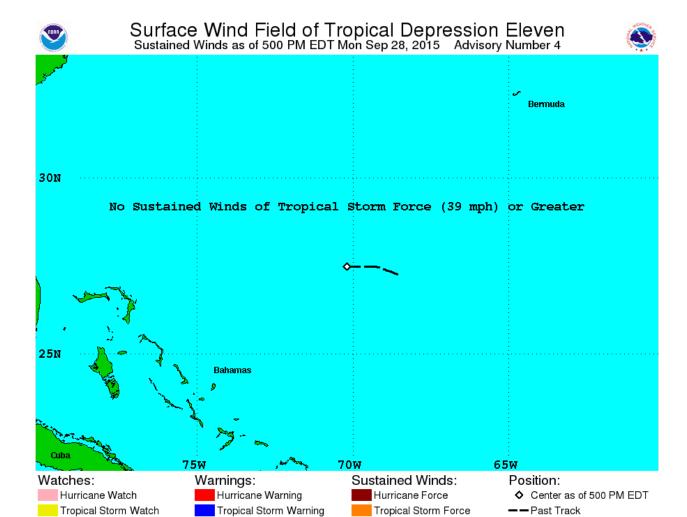


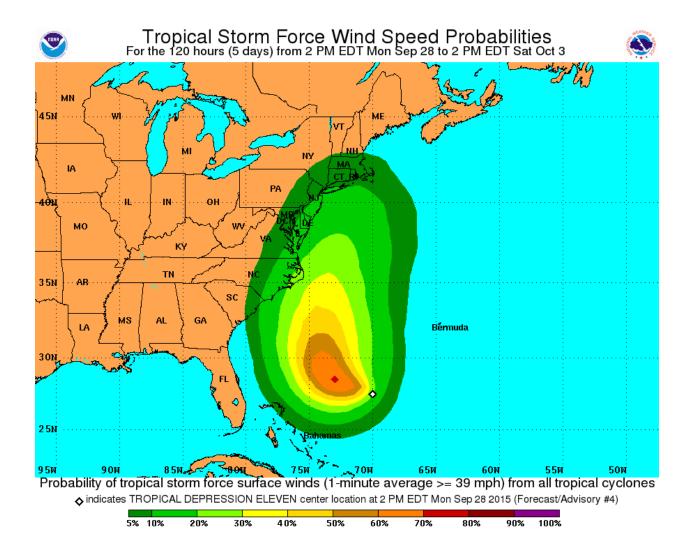


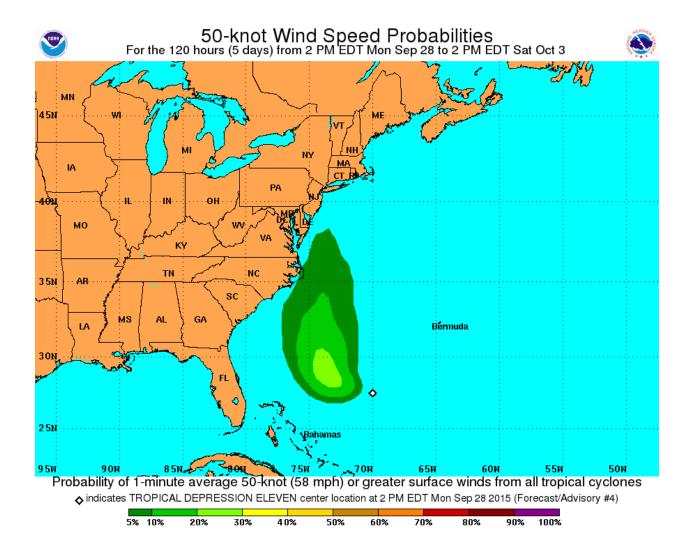


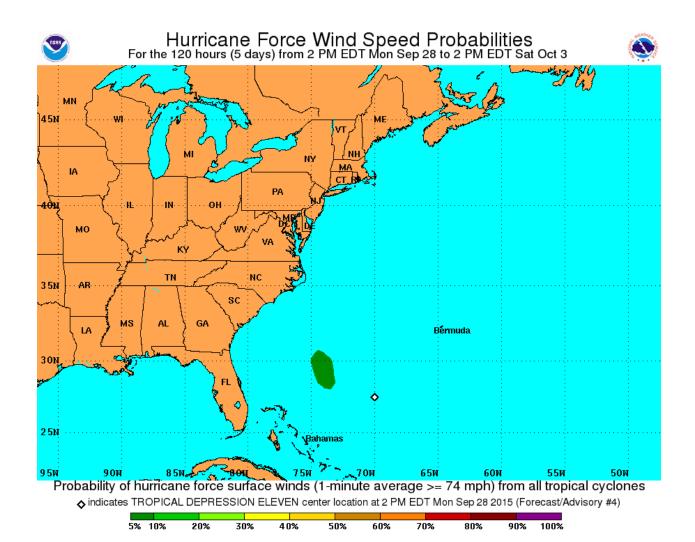


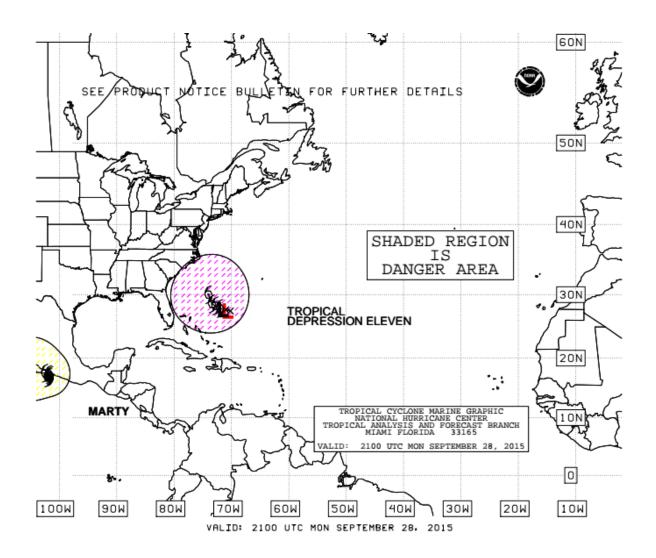


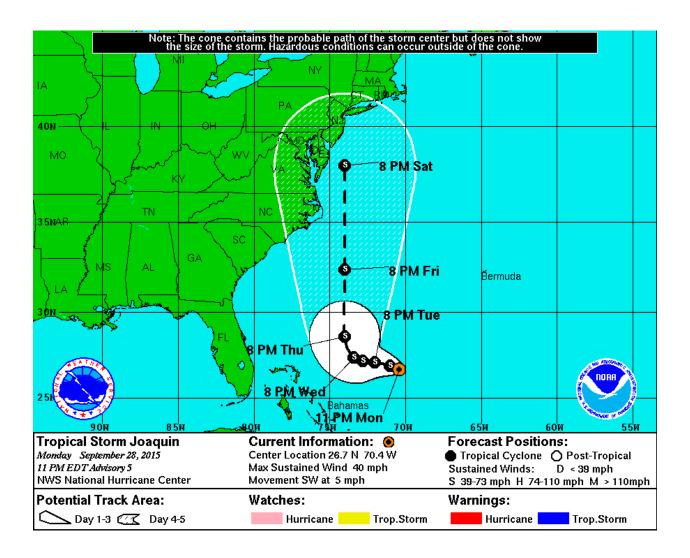








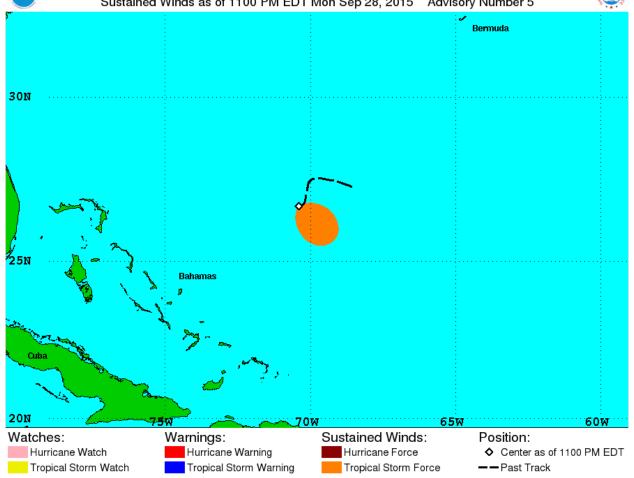


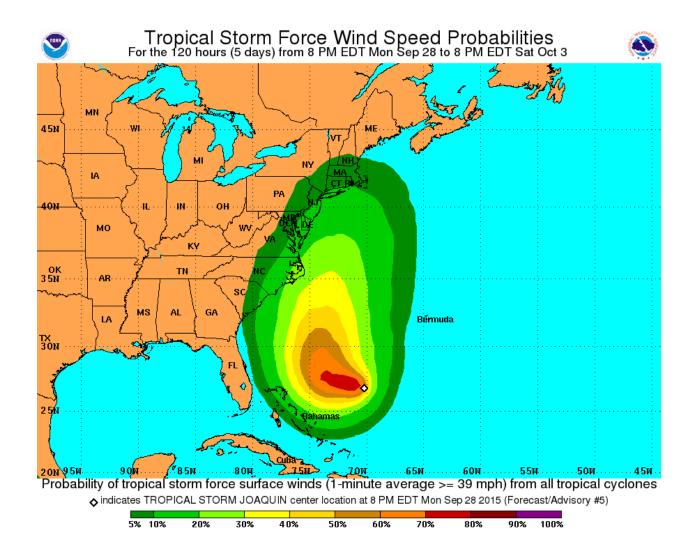


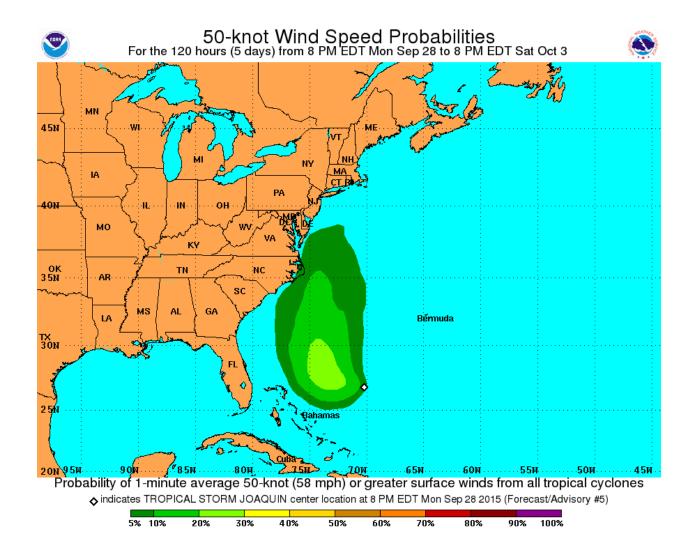


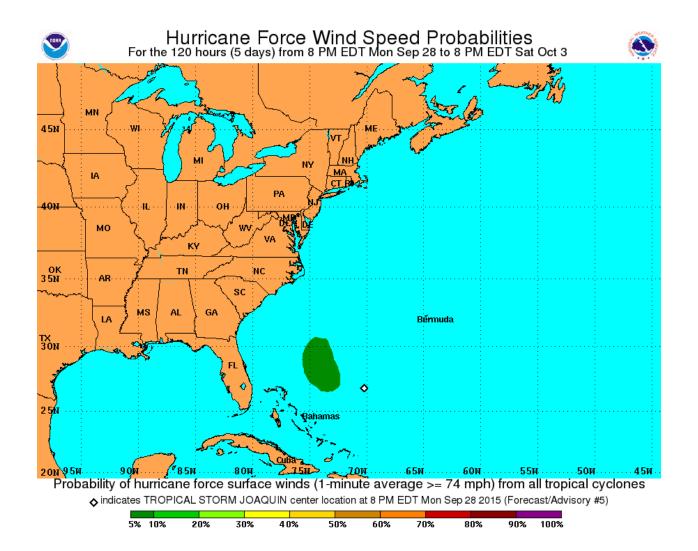
Surface Wind Field of Tropical Storm Joaquin Sustained Winds as of 1100 PM EDT Mon Sep 28, 2015 Advisory Number 5

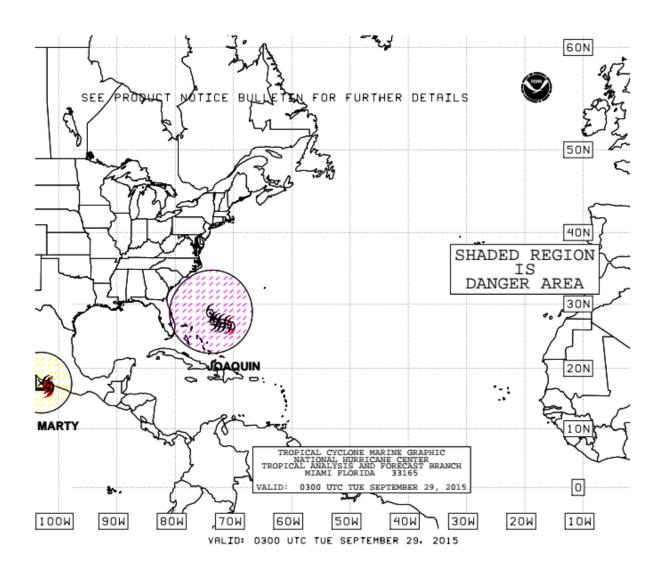


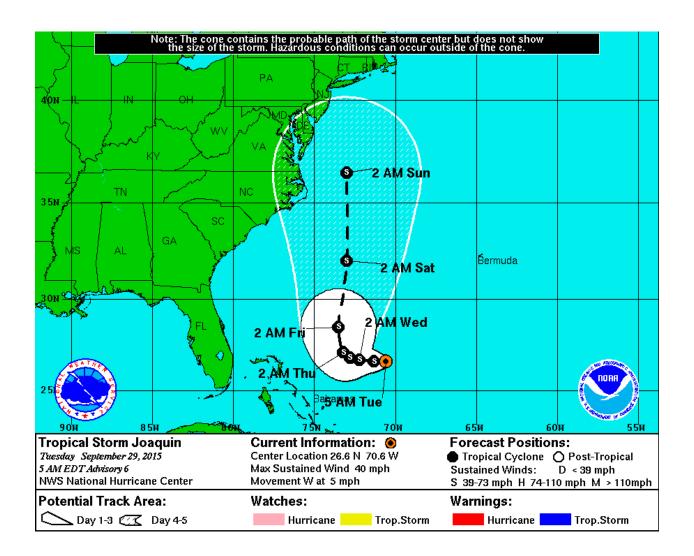








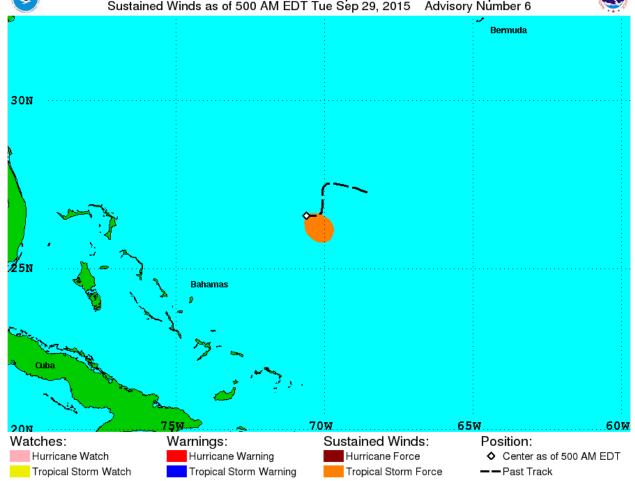


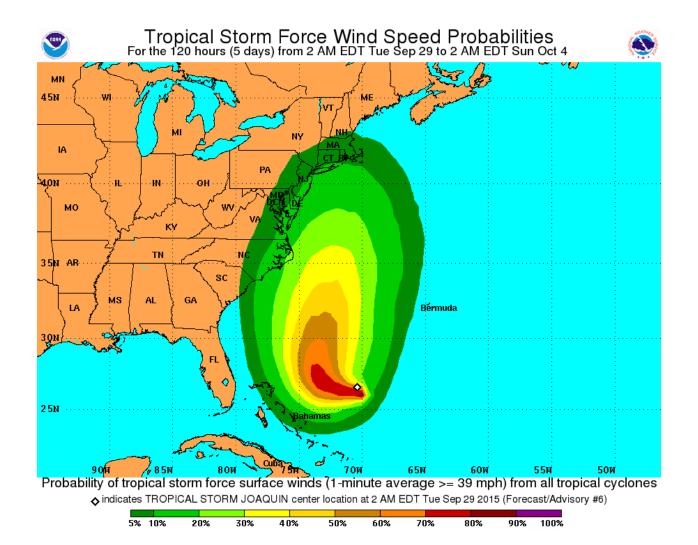


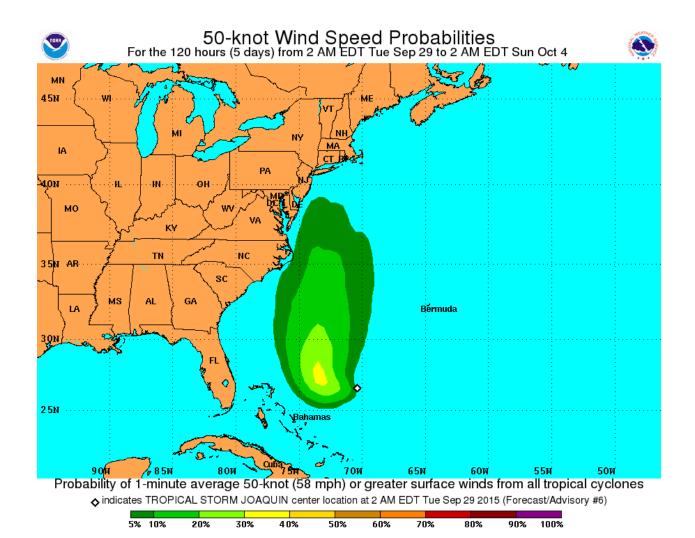


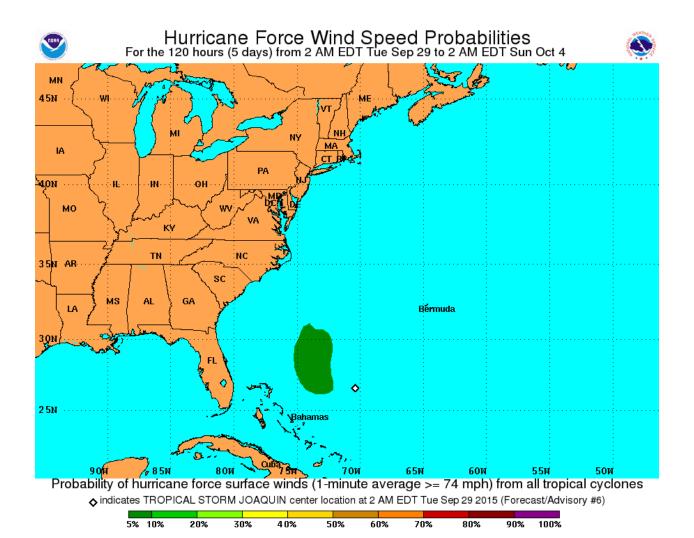
Surface Wind Field of Tropical Storm Joaquin Sustained Winds as of 500 AM EDT Tue Sep 29, 2015 Advisory Number 6

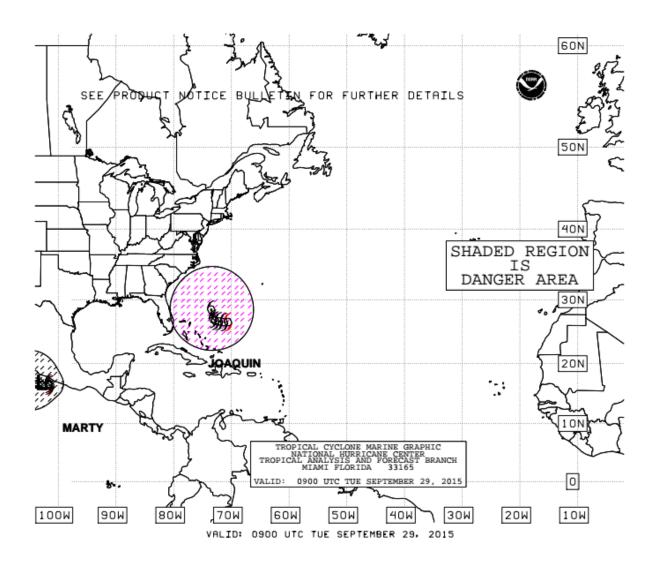


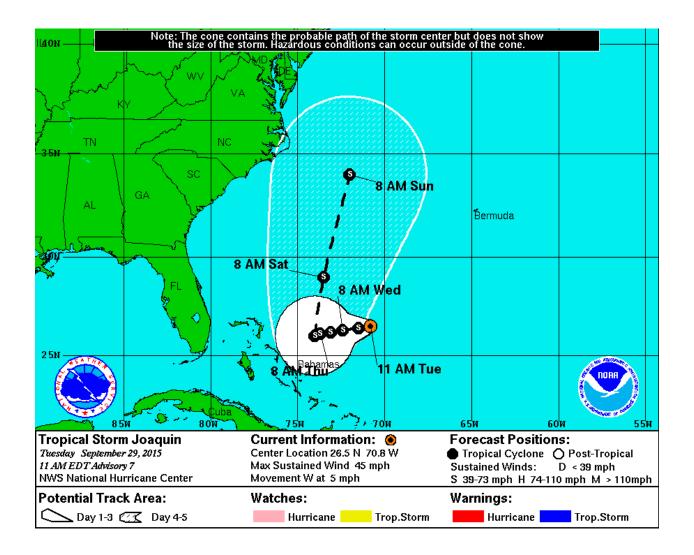








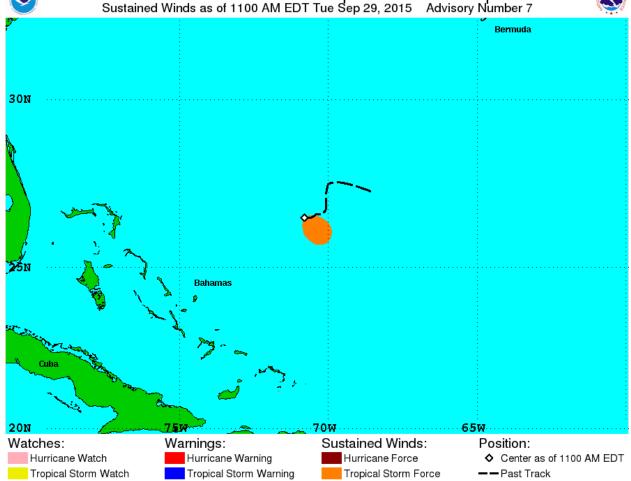


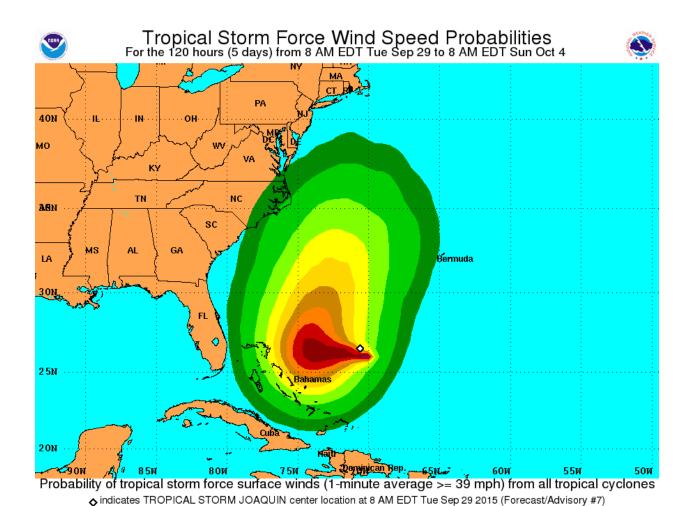




Surface Wind Field of Tropical Storm Joaquin Sustained Winds as of 1100 AM EDT Tue Sep 29, 2015 Advisory Number 7







40%

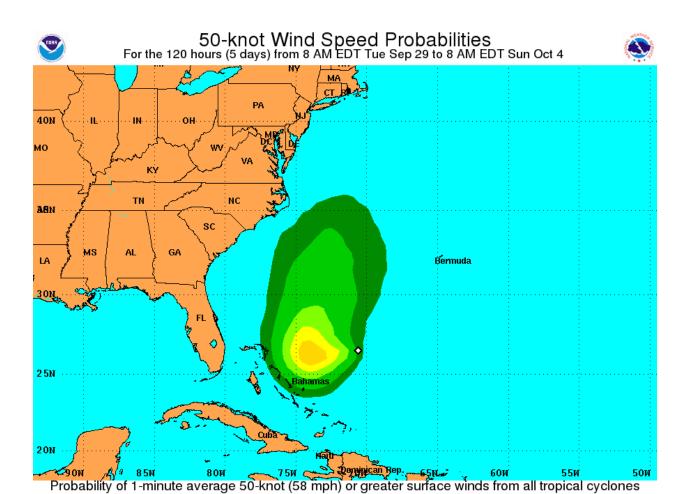
50%

60%

70%

80%

5% 10%



♦ indicates TROPICAL STORM JOAQUIN center location at 8 AM EDT Tue Sep 29 2015 (Forecast/Advisory #7)

60%

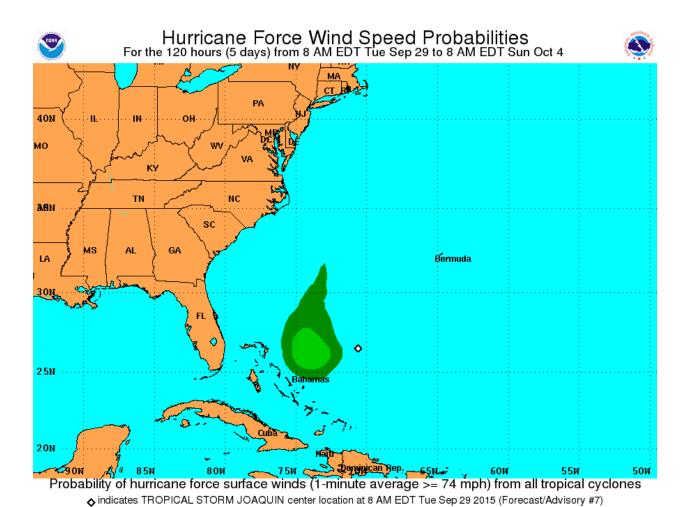
50%

40%

70%

80%

5% 10%



40%

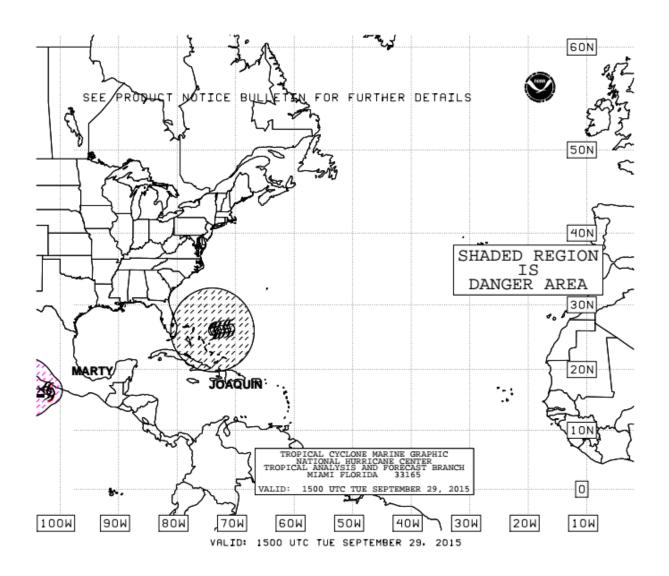
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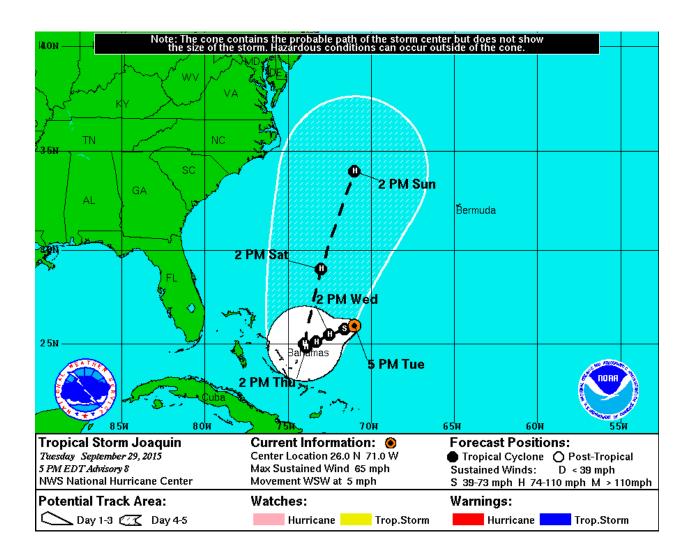
70%

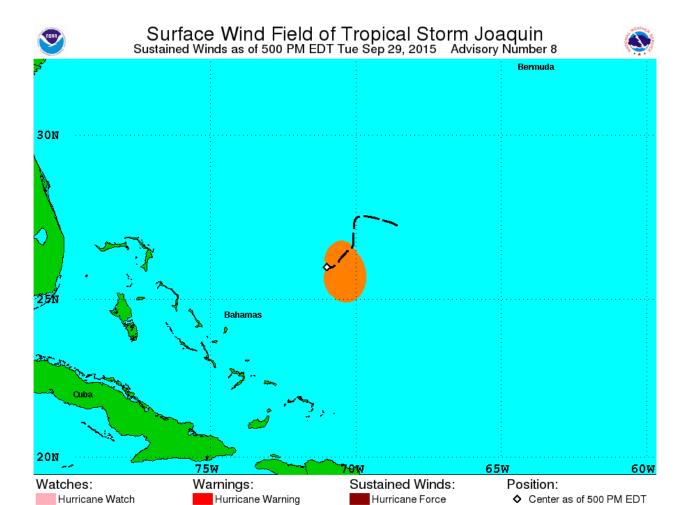
60%

80%

5% 10%







Tropical Storm Force

-- Past Track

Tropical Storm Warning

Tropical Storm Watch

